

Applicant or Patentee: LEVSEN, CLARK A.	Attorney's Docket No.: 27070
Serial or Patent No.:	Filed or Issued:
For: KNIFE HOLDER	

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) AND 1.27(c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am  
☒ the owner of the small business concern identified below:  
☐ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN	HANTOVER, INC.
ADDRESS OF CONCERN	10301 Hickman Mills Drive, Suite 200, Kansas City, Missouri 64137

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled KNIFE HOLDER by inventor(s) Clark A. Levsen, described in

☐ the specification filed herewith.  
☐ application serial no. \_\_\_\_\_, filed \_\_\_\_\_.  
☐ patent no. \_\_\_\_\_, issued \_\_\_\_\_.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Name
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<input type="checkbox"/> Individual <input type="checkbox"/> Small Business Concern <input type="checkbox"/> Nonprofit Organization
Name
Address
<input type="checkbox"/> Individual <input type="checkbox"/> Small Business Concern <input type="checkbox"/> Nonprofit Organization

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING	Mr. Bernard Huff
TITLE OF PERSON OTHER THAN OWNER	
ADDRESS OF PERSON SIGNING	10301 Hickman Mills Drive, Suite 200, Kansas City, MO 64137

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## KNIFE HOLDER

## BACKGROUND OF THE INVENTION

## 1. Field of the Invention

5 The present invention relates generally to devices for holding knives and/or other utensils. More particularly, the present invention concerns a utensil holder having a utensil-receiving opening and structure within the opening that permits various utensils to be inserted and supported in virtually infinitely variable locations within the opening. That is to say, the inventive utensil holder has means for supporting a utensil,  
10 wherein the utensil supporting means is essentially non-sensitive to the shape and size of the utensil and to the location of utensil when it is supported thereby.

## 2. Discussion of Prior Art

15 Those ordinarily skilled in the art will appreciate that utensil holders, such as knife blocks, are commonly used in industry and in many households. However, there are many problems associated with conventional knife block designs. For example, a knife block is traditionally provided with a number of open slots, each of which is specifically designed for receiving a certain sized and shaped utensil. That is to say, each slot is designed to receive a specific utensil, and it is therefore unlikely that the slot can  
20 receive a utensil other than that intended to correspond with the slot. This, of course, presents the problem of matching the utensil set with the utensil block. A utensil not specifically corresponding with the slots in the holder will likely have to be stored separate from the block. Another problem with conventional utensil holders involves sanitation. Particularly, the narrow slots for receiving the utensils are nearly impossible  
25 to clean. This is particularly problematic when the holder is used in industrial applications (e.g., restaurants), wherein it would be beneficial to provide a support for the utensil during use. Yet another problem with the utensil-receiving slots of conventional holders involves the difficulty of inserting the utensils into the slots. Often times the slot for a knife is relatively narrow and the user may be required to handle the  
30 knife blade to help guide the blade into the slot.

## OBJECTS AND SUMMARY OF THE INVENTION

Responsive to these and other problems, an important object of the present invention is to provide an improved utensil holder. Another important object of  
35 the present invention is to provide a utensil holder that is particularly well suited for

supporting a plurality of knives. It is also an important object of the present invention to provide a utensil holder that is not limited to use with a specific utensil or set of utensils. Yet another object of the present invention is to provide a utensil holder that can be easily and effortlessly cleaned so as to reduce the risk of microorganism growth in the holder. Along this line, it is an important object of the present invention to provide a utensil holder that is particularly effective in supporting utensils during use, without requiring cleaning of the utensil before placed in the holder. An additional important object of the present invention is to provide a utensil holder that simplifies placement of the utensils in the holder. That is, it is an important object of the present invention to provide a utensil holder that permits the user to virtually effortlessly and mindlessly place utensils in the holder.

In accordance with these and other objects evident from the following description of the preferred embodiment, the present invention concerns a utensil holder comprising a case having a utensil-receiving opening. The holder further includes a utensil-retaining rod assembly having a plurality of rods that are confined within the utensil-receiving opening in a manner that permits limited flexing movement of the rods, whereby a utensil inserted into the opening causes displacement of the adjacent rods to define a space that at least substantially collapses when the utensil is removed. However, the rods are confined sufficiently tightly within the utensil-receiving opening that the utensil is retained in the desired orientation by the assembly. Moreover, the rods are prevented from lengthwise shifting relative to one another. With the rod assembly being configured to prevent the relative lengthwise shifting of the rods, the assembly may be unitarily removed from the utensil-receiving opening.

In this respect, it will be appreciated that the holder is essentially non-sensitive to the types of utensils being inserted into the opening, and to the location of the utensils when supported within the opening. That is to say, the rod assembly permits various utensils to be supported within the opening in virtually infinitely variable locations. In addition, the inventive construction permits the rod assembly to be configured for easy removal from and reinsertion into the case, which facilitates cleaning of the holder.

Other aspects and advantages of the present invention will be apparent from the following detailed description of the preferred embodiments and the accompanying drawing figures.

## BRIEF DESCRIPTION OF THE DRAWING FIGURES

Preferred embodiments of the invention are described in detail below with reference to the attached drawing figures, wherein:

FIG. 1 is an exploded perspective view of a utensil holder constructed in accordance with the principles of the present invention, illustrating the utensil-retaining rod assembly being unitarily removed from the utensil-receiving opening of the case;

FIG. 2 is a top plan view of the knife holder, particularly illustrating a set of knives being supported by the holder;

FIG. 3 is a vertical cross-sectional view taken along line 3-3 of FIG. 2, particularly illustrating one of the knives extending along the length of the rods, with the knife flange abutting the top ends of the rods;

FIG. 4 is a horizontal cross-sectional view taken along line 4-4 of FIG. 3, particularly illustrating the elastic flexing displacement of adjacent ones of the rods when the knife is inserted into the rod assembly; and

FIG. 5 is an enlarged vertical cross-sectional view of an alternative embodiment of the present invention, wherein the tops of the rods are rounded to facilitate insertion of the knife into the rod assembly.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Turning initially to FIG. 1, the utensil holder 10 selected for illustration generally includes a case 12 and a utensil-retaining rod assembly 14. The holder 10 is designed to support a plurality of utensils, such as the knives 16, 18, 20 shown in FIG. 2. As particularly illustrated with respect to the knife 18 (see FIG. 3), the knife 18 customarily includes a handle 22 and a blade 24 projecting from the handle 22. In the usual manner, the blade 24 is significantly narrower than the handle 22 such that a flange 26 is defined generally at the junction of the blade 24 and handle 22. Although the holder 10 is shown supporting the knives, it will be appreciated that various other utensils (e.g., a sharpening rod, a potato peeler, scissors, other types of knives, etc.) may be placed in the holder 10.

The illustrated case 12 is generally rectangular in shape and presents an open top, although various other case designs may be used. In particular, the illustrated case 12 includes a substantially flat, square-shaped floor 28 that is supported in a horizontal orientation by four feet 30 (only two of the feet being shown in the drawing figures). The feet 30 are preferably formed of nonslip material, such as rubber, although

other materials may be used. Wall structure 32 projects upwardly from the floor 28, with the illustrated structure 32 comprising four similar flat panels 32a,32b,32c,32d. In this respect, the wall structure 32 presents a square cross-sectional shape. The panels 32a,32b,32c,32d are preferably equal in length to cooperatively define a substantially flat uppermost edge 34 of the case 12. The floor 28 and wall panels 32a,32b,32c,32d are preferably formed of a synthetic resin material, such as acrylic, and are bonded to one another, although it is entirely within the ambit of the present invention to integrally form the case (e.g., by injection molding) and/or to form the case of various other materials (e.g., wood, stainless steel, etc.). It is also noted that the configuration of the case 12 may be varied, if desired. For example, the case may alternatively have a circular or triangular cross-sectional shape.

The floor 28 and wall structure 32 cooperatively define a utensil-receiving opening 36 that extends generally from the floor 28 to the top edge 34. The illustrated floor 28 and wall panels 32a-32d are solid such that the opening 36 is capable of containing fluid therein, for purposes will subsequently be described. However, the principles of the present invention are equally applicable to a case that is not configured to contain fluid within the opening 36. For example, the present invention contemplates the use of a perforated floor and/or wall panels. It will be appreciated that the opening 36 has a square cross-sectional shape similar to the wall structure 32 and that this shape may likewise vary, if desired.

In the illustrated embodiment, the rod assembly 14 and opening 36 are cooperatively defined so that the former is completely received within the latter. The rod assembly 14 particularly comprises a plurality of elongated, flexible rods 38 that are equal in length and prevented from lengthwise shifting relative to one another. Preferably, the rods 38 project from a common base 40 that conforms generally to the shape of the utensil-receiving opening 36. In this respect, the base 40 has a square cross-sectional shape in the illustrated embodiment. Except for the base 40, the illustrated rods 38 are otherwise detached from one another and each rod is therefore capable of bending along its respective axis.

It is noted that each of the illustrated rods 38 is cylindrical in shape (see FIG. 4) and presents a generally flat upper end. The upper ends of the rods 38 cooperatively define a substantially flat utensil entry face 42 that is generally flush with the upper edge 34 of the case 12 in the illustrated embodiment (see FIG. 3). The upper edge 34 and entry face 42 are parallel to the floor 28, although the edge 34 and face 42

may be disposed along a plane that is oblique relative to the floor if desired. It is also possible to configure the holder 10 so that the wall structure projects beyond the upper ends of the rods, with the utensil-receiving opening consequently extending beyond the rod assembly. It would therefore be possible with this arrangement to insert a utensil into the opening without it being supported by the rod assembly. However, it shall be assumed with respect to this construction that the utensil may be inserted sufficiently into the opening to be supported by the rod assembly. The construction of the rods 38 may be also be varied. For example, the principles of the present invention are equally applicable to rods having various other cross-sectional shapes (e.g., oval, triangular, etc.). In addition, it is not necessary that all of the rods 38 be of the same shape and size.

The size of the opening 36 and the number of rods 38 included in the assembly 14 are cooperatively designed so that the rods 38 are confined within the opening in a manner that permits limited flexing movement of the rods 38. Particularly, the rods 38 are displaceable when the blade 24 is inserted into the opening 36, as shown in FIG. 4, but still provide enough support to the blade 24 to retain the knife 18 in the illustrated orientation. It may consequently be said that the rods 38 are loosely held within the opening 36 yet are sufficiently packed therein to provide support to the utensils. One suitable arrangement consists of a four inch square utensil-receiving opening and a rod assembly having approximately 635 cylindrical .1875 inch diameter rods. It is also noted that the preferred rods 38 are sufficiently flexible to be elastically displaced when a utensil is inserted into the opening 36. This will permit the utensil to flex adjacent rods 38 away from one another to define a space therebetween, with the elasticity of the rods causing the space to collapse when the utensil is removed.

The rods 38 are preferably formed of a synthetic resin material, such as polyvinyl chloride, although other suitable materials may be used. The preferred base 40 is formed cooperatively by the lower ends of the rods 38 and a synthetic resin filler interspersed among the rods, with the rods and filler being bonded to one another. One suitable arrangement involves rods formed of polyvinyl chloride (e.g., .1875 inch PVC welding rods) and filler comprising cold-poured acrylic. With respect to this arrangement, forming of the block 40 may involve placing the lower ends of the rods 38 into a suitable press mold that is manipulated into the desired shape and size of the block, and then pouring the acrylic filler into the mold. In any case, the preferred block 40 will consequently become a solid mass that serves to interconnect the rods 38 and

thereby prevent relative lengthwise shifting of the rods 38. Thus, the illustrated utensil-retaining rod assembly 14 may be unitarily disassembled and reassembled with the case 12.

In use, the utensil-retaining rod assembly 14 is placed within the case 12 and utensils may thereafter be supported in virtually any location within the utensil-receiving opening 36. In addition, virtually any traditional elongated utensil may be inserted lengthwise into the opening 36. With particular respect to the knife 18, the blade 24 is pierced through the entry face 42 of the rod assembly 14 between adjacent rods and then slid along the length of the adjacent rods 38. This will cause elastic displacement of the adjacent rods 38, as shown in FIG. 4. Insertion of the blade 24 preferably continues until the flange 26 engages the upper ends of the rods 38, whereby further downward movement of the knife 18 is restricted. As noted above, the rods 38 are sufficiently confined within the opening 36 to retain the knife 18 in the illustrated upright orientation. Moreover, once the knife 18 is removed, the space created by the blade 24 collapses as the rods 38 elastically return to their original position. Because the rods 38 span the utensil-receiving opening 36, the knife 18 may be inserted virtually anywhere between the wall panels 32a-32d. In addition, any utensil that does not cause excessive displacement or wedging of the rods 38 may be supported within the opening.

Again, the illustrated utensil-retaining rod assembly 14 may be unitarily removed from the case 12. It is particularly noted that the base 40 has a cross-sectional size that is slightly smaller than the opening 36, such that the assembly 14 may be easily slid through the top of the case 12. The assembly 14 may then be cleaned as desired, with flexing of the rods 38 facilitating cleaning of the interstices defined therebetween. With the assembly 14 removed, cleaning of the interior of the casing 12 is also facilitated. If desired, the container 12 may be filled with a suitable disinfecting fluid when the rod assembly 14 is received within the opening 36 so as to disinfect the knife blade 24 each time it is supported in the holder 10.

As previously noted, it is within the ambit of the present invention to vary the construction of the utensil holder. One such variation is shown in FIG. 5, wherein the utensil-retaining rod assembly 100 includes a plurality of rods 102 similar to the rod assembly 14 shown in FIGS. 1-4. However, the upper ends 104 of the rods 102 are rounded, which is believed to facilitate insertion of the utensil into the utensil receiving opening 106.

The preferred forms of the invention described above are to be used as illustration only, and should not be utilized in a limiting sense in interpreting the scope of the present invention. Obvious modifications to the exemplary embodiments, as hereinabove set forth, could be readily made by those skilled in the art without departing from the spirit of the present invention.

The inventor hereby states his intent to rely on the Doctrine of Equivalents to determine and assess the reasonably fair scope of the present invention as pertains to any apparatus not materially departing from but outside the literal scope of the invention as set forth in the following claims.



What is claimed is:

1. A utensil holder comprising:  
a case presenting a utensil-receiving opening; and  
5 a utensil-retaining rod assembly including a plurality of elongated, flexible rods,  
said rods being confined within the utensil-receiving opening in a manner that  
permits limited flexing movement of the rods, such that a utensil inserted  
into the opening is supported by the assembly and causes separation of  
adjacent ones of the rods to define a space that at least substantially  
10 collapses when the utensil is removed from the opening,  
said rods being restricted against lengthwise shifting relative to one another.

2. A utensil holder as claimed in claim 1,  
said case being formed of a synthetic resin.

3. A utensil holder as claimed in claim 1,  
said case including a floor and wall structure projecting generally upwardly from  
the floor, with the utensil-receiving opening being cooperatively defined  
by the floor and wall structure.

4. A utensil holder as claimed in claim 3,  
said floor and wall structure being solid so as to permit fluid containment within  
the utensil-receiving opening.

5. A utensil holder as claimed in claim 3,  
said wall structure terminating at a substantially planar uppermost edge,  
said rods extending lengthwise along the wall structure and cooperatively  
presenting an endmost, substantially flat entry face through which the  
utensil is first inserted,  
30 said entry face being generally flush with the uppermost edge of the wall  
structure.

6. A utensil holder as claimed in claim 5,  
said floor being substantially flat,

said case including a plurality of feet configured to support the floor in a substantially horizontal orientation.

7. A utensil holder as claimed in claim 6,  
said uppermost edge of the wall structure being substantially parallel to the floor,  
and said rods being substantially equal in length.

8. A utensil holder as claimed in claim 1,  
said utensil-receiving opening having a generally square cross-sectional shape.

9. A utensil holder as claimed in claim 1,  
said utensil-retaining rod assembly being configured to prevent relative to  
lengthwise shifting of the rods so that the assembly may be unitarily  
removed from the utensil-receiving opening.

10. A utensil holder as claimed in claim 9,  
said utensil-retaining rod assembly including a base,  
said rods being fixed to the base and projecting therefrom.

11. A utensil holder as claimed in claim 10,  
said base presenting a cross-sectional shape that is similar to but slightly smaller  
than that of the utensil-receiving opening.

12. A utensil holder as claimed in claim 10,  
said base being located adjacent a common end of the rods, with the rods being  
otherwise detached from one another.

13. A utensil holder as claimed in claim 12,  
said rods cooperatively defining an endmost entry face opposite from the base,  
said entry face spanning the utensil-receiving opening so that the utensil pierces  
through the entry face and then passes along the length of the rods.

14. A utensil holder as claimed in claim 10,  
said rods and said base being formed of a synthetic resin.

15. A utensil holder as claimed in claim 14,  
said base being formed cooperatively by the rods and a synthetic resin filler  
interspersed among the rods, with the rods and filler being bonded to one  
another.

16. A utensil holder as claimed in claim 15,  
said synthetic resin filler being acrylic.

17. A utensil holder as claimed in claim 1,  
said rods having common detached ends that cooperatively define an endmost  
entry face spanning the utensil-receiving opening so that the utensil  
pierces through the entry face and then passes along the length of the  
rods.

18. A utensil holder as claimed in claim 17,  
said ends of the rods being rounded.

19. A utensil holder as claimed in claim 1,  
said rods being substantially equal in cross-sectional shape and size.

20. A utensil holder as claimed in claim 19,  
said rods being cylindrical.

## 5

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As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

KNIFE HOLDER

the specification of which: (complete (a), (b) or (c) for type of application)

**REGULAR OR DESIGN APPLICATION**

(a) ☐ is attached hereto.

(b) ☐ was filed on \_\_\_ as Application Serial No. \_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

**PCT FILED APPLICATION ENTERING NATIONAL PHASE**

(c) ☐ was described and claimed in International Application No. \_\_\_\_\_ filed \_\_\_\_\_ and  
as amended on \_\_\_\_\_ (if any).

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:  
(complete (d) or (e))

(d) ☒ no such applications have been filed.

(e) ☐ such applications have been filed as follows

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS PRIOR TO SAID APPLICATION**

Country	Application No.	Date of Filing	Date of Issue	Priority Claimed
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS PRIOR TO SAID APPLICATION**


**PROVISIONAL**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States application(s) listed below:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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**CONTINUATION-IN-PART**

(Complete This Part Only If This Is A Continuation-In-Part Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a), which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Robert D. Hovey	19,223	Thomas B. Luebbering	37,874
Warren N. Williams	19,156	Andrew G. Colombo	40,565
Stephen D. Timmons	26,513	Kyle L. Elliott	39,485
John M. Collins	26,262	Tracy L. Bornman	42,347
Thomas H. Van Hoozer	32,761	Tracey S. Truitt	43,205

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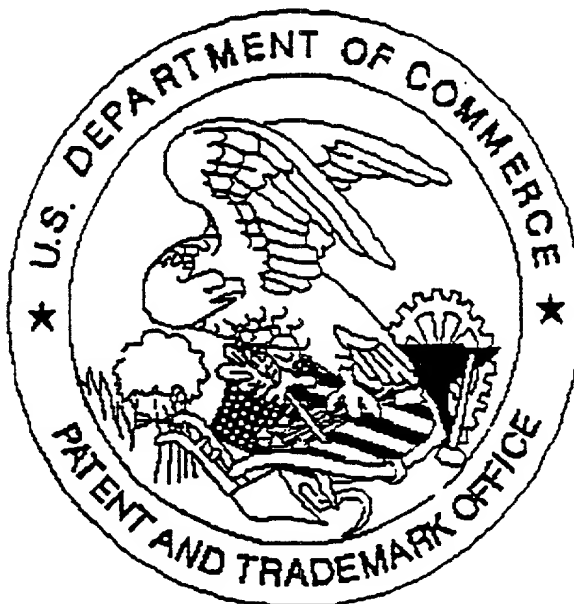
DIRECT TELEPHONE CALLS TO:  
(816) 474-9050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Clark A. Levsen
Inventor's Signature	
Date	Country of Citizenship United States
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Application deficiencies were found during scanning:

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